

Amendment to the Claims**Claims 1-12 (Cancelled)**

13. (New) A device for transforming a dispersed liquid/gas flow into a stratified flow, the device comprising:

- a first pipe;
- a first set of stationary guide blades, arranged in the first pipe, for rotating the liquid/gas flow;
- a second pipe connected to the first pipe, the second pipe having the same diameter or a different diameter than the first pipe;
- a mechanism for stopping the rotation of the gas so that the flow pattern of the gas/liquid in the second pipe becomes stratified over a predefined distance, wherein the mechanism is located in a transition area between the first and second pipes.

14. (New) A device in accordance with claim 13, wherein the second pipe has a larger diameter than the first pipe.

15. (New) A device in accordance with claim 13, wherein a venturi is arranged in the first pipe, and the first set of guide blades is arranged at the inlet of the venturi, while the second set of guide blades is arranged at the outlet of the venturi.

16. (New) A device in accordance with claim 13, wherein the second device is a perforated plate.

17. (New) A device in accordance with claim 16, wherein the perforated plate is arranged at an angle in relation to the longitudinal direction of the pipe.

18. (New) A device in accordance with claim 14, wherein the second device is a perforated plate.

19. (New) A device in accordance with claim 15, wherein the second device is a perforated plate.

20. (New) A device in accordance with claim 13, wherein the second device is a second set of guide blades.

21. (New) A process of transforming a dispersed liquid/gas flow into a stratified flow, the process comprising:

rotating a liquid/gas flow by introducing the liquid/gas flow into a first pipe, in which a first set of stationary guide blades is arranged; and

stopping the rotation of the gas/liquid flow so that the natural flow pattern of the gas/liquid flow in a second pipe, under the influence of the gravitational force becomes stratified over a predefined distance,

wherein the rotation of the gas/liquid flow is stopped by a second set of guide blades or a device located at a transition between the first pipe and the second pipe.

22. (New) The process as claimed in claim 21, wherein the second pipe has a larger diameter than the first pipe.

23. (New) The process as claimed in claim 21, wherein a venturi is arranged in the first pipe, the first set of stationary guide blades is arranged at an inlet of the venturi, and the rotation of the gas/liquid flow is stopped by a second set of guide blades arranged at an outlet of the venturi.

24. (New) The process as claimed in claim 21, wherein the rotation of the gas/liquid flow is stopped by a perforated plate.

25. (New) The process as claimed in claim 21, wherein the rotation of the gas/liquid flow is stopped by a perforated plate arranged at an angle relative to a longitudinal direction of the first and second pipes.